

12-31-01

A/Box Seg

## PATENT APPLICATION

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No: 28110/35905A

JC978 U.S. PTO  
10/26/01  
10/26/01

## PATENT APPLICATION TRANSMITTAL UNDER 37 C.F.R. 1.53

*Box Patent Application*  
Commissioner for Patents  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Drmanac, Radoje T.; Labat, Ivan; Stache-Crain, Birgit; Dickson, Mark C.; Jones, Lee William; Ballinger, Dennis G.; Xue, Aidong; Tang, Y. Tom; Liu, Chenghua; and Asundi, Vinod

Title: STEM CELL MAINTENANCE FACTOR MATERIALS AND METHODS

## 1. Type of Application

This is a new application for a  
 utility patent.  
 design patent.  
 This is a continuation-in-part application of prior application no. 09/378,667

## 2. Application Papers Enclosed

1 Title Page  
101 Pages of Specification (excluding Claims, Abstract, Drawings & Sequence Listing)  
4 Page(s) of Claims  
1 Page(s) of Abstract  
9 Sheet(s) of Drawings (Figs. 1A to 2 )

Formal

 Informal21 Page(s) of Sequence ListingCERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on **October 26,2001**, in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EK657816614US .

Laura Frasher

Laura Frasher

**3. Declaration or Oath**

- Enclosed
- Executed by (check all applicable boxes)
  - Inventor(s)
  - Legal representative of inventor(s)  
(37 CFR 1.42 or 1.43)
  - Joint inventor or person showing a proprietary interest on behalf of inventor who refused to sign or cannot be reached
    - The petition required by 37 CFR 1.47 and the statement required by 37 CFR 1.47 are enclosed.  
See Item 5D below for fee.
- Not enclosed - the undersigned attorney or agent is authorized to file this application on behalf of the applicant(s). An executed declaration will follow.

**4. Small Entity Status**

- Applicant claims small entity status. See 37 CFR 1.27.
- A small entity statement is(are) attached.

**5. Additional Papers Enclosed**

- Preliminary Amendment
- Information Disclosure Statement
- Declaration of Biological Deposit
- Computer readable copy of sequence listing containing nucleotide and/or amino acid sequence
- Microfiche computer program
- Associate Power of Attorney
- Verified translation of a non-English patent application
- An assignment of the invention
- Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)
- Return receipt postcard
- Other: Sequence Statement Pursuant to 37 C.F.R. §1.821(f) and sequence diskette (1)

6. Priority Applications Under 35 USC 119

Certified copies of applications from which priority under 35 USC 119 is claimed are listed below and

are attached.

will follow.

COUNTRY	APPLICATION NO.	FILED

7. Filing Fee Calculation (37 CFR 1.16)

A.  Utility Application

CLAIMS AS FILED - INCLUDING PRELIMINARY AMENDMENT (IF ANY)			SMALL ENTITY		OTHER THAN A SMALL ENTITY	
	NO. FILED	NO. EXTRA	RATE	Fee	RATE	Fee
BASIC FEE				\$370.00		\$740.00
TOTAL	22 -20	= 2	X 9 =	\$18.00	X 18 =	\$
INDEP.	3 - 3	= 0	X 42 =	\$0.00	X 84 =	\$
<input type="checkbox"/> First Presentation of Multiple Dependent Claim			+ 140 =	\$388.00	+ 280 =	\$
Filing Fee:			\$388.00	OR		\$

B.  Design Application (\$165.00/\$330.00) Filing Fee: \$ \_\_\_\_\_

C.  Plant Application (\$255.00/\$510.00) Filing Fee: \$ \_\_\_\_\_

D. Other Fees

Recording Assignment [Fee -- \$40.00 per assignment] \$ \_\_\_\_\_

Petition fee for filing by other than all the inventors or person on behalf of the inventor where inventor refused to sign or cannot be reached [Fee -- \$130.00] \$ \_\_\_\_\_

Other \$ \_\_\_\_\_

Total Fees Enclosed \$388.00

8. Method of Payment of Fees

Enclosed check in the amount of: \$388.00

Charge Deposit Account No. 13-2855 in the amount of: \$ \_\_\_\_\_  
A copy of this Transmittal is enclosed.

Not enclosed

9. Deposit Account and Refund Authorization

The Commissioner is hereby authorized to charge any deficiency in the amount enclosed or any additional fees which may be required during the pendency of this application under 37 CFR 1.16 or 37 CFR 1.17 or under other applicable rules (except payment of issue fees), to Deposit Account No. 13-2855. A copy of this Transmittal is enclosed.

Please refund any overpayment to Marshall, Gerstein & Borun at the address below.

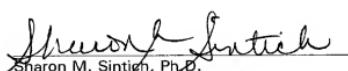
10. Correspondence Address

Customer No.: 04743

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN  
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By:

  
Sharon M. Sintich, Ph.D.  
Reg. No: 48,484

October 26, 2001

PATENT  
Attorney Docket No.: 28110/35905A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Drmanac et al. ) "EXPRESS MAIL" Mailing Label  
Serial No.: To be assigned ) No. EK657816614US  
Filed: Herewith ) I hereby certify that this paper (or fee) is  
For: Stem Cell Maintenance Factor ) being deposited with the United States Postal  
Materials and Methods ) Service "EXPRESS MAIL POST OFFICE  
Group Art Unit: To be assigned ) TO ADDRESSEE" service under 37 C.F.R.  
Examiner: To be determined ) §1.10 on the date indicated below and is  
 ) addressed to the Commissioner for Patents,  
 ) BOXPATENT APPLICATION Washington,  
 ) D.C. 20231, on this date,  
 ) October 26, 2001  
 )  
 ) Laura Frasher  
 ) Laura Frasher

STATEMENT PURSUANT TO 37 C.F.R. §1.821(f)

Commissioner for Patents  
Washington, DC 20231

Sir:

I hereby state that the content of the paper and computer readable copies of the Sequence Listing, submitted herewith in accordance with 37 C.F.R. §§1.821 and 1.825, are the same.

Respectfully submitted,

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October 26, 2001

100-200-345-102601